

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

Form 3
RECEIVED
MAY 18 2006
ORIGINAL

Illinois Commerce Commission
RAIL SAFETY SECTION

Petitioner's request for permission to make a major change in crossing protection or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

Date: May 12, 2006

X-12431

T06-0029

479307M

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: Wolfe St. in Springfield, Sangmon County, Illinois, DOT: 479307M, MP. DH-412.12

File No. 061-04.0556

Project No. 04.0559

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company

By R. H. Ray
R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191

(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 479307M
3. Village or City Springfield
4. Name of Street or Highway Wolfe St.
5. Public Agency Maintaining Highway City
6. Protection now established:
Flashing lights with gates and bell controlled by constant warning time detection equipment.
7. Protection desired:
Modify grade crossing warning devices, to include flashing lights with gates and bell controlled by constant warning time detection equipment.
8. Number of main tracks One Other tracks None
9. Number of passenger movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
6 a.m. to 6 p.m. Nine 6 p.m. to 6 a.m. Thirteen
11. Approximate number of switch movements:
6 a.m. to 6 p.m. Six 6 p.m. to 6 a.m. One
12. Maximum speed of trains at crossing on each track in each direction:
North/East 60 M.P.H Main
South/West 60 M.P.H.Main
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

2550 AADT

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

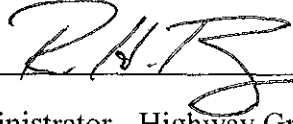
- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawings attached for question no. 16

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator – Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.


Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 11 th.
day of May, 20 06.

Notary Public (Georgia) or Witness

My Commission Expires: _____



02-May-06

Detailed Estimate for Grade Crossing Warning Devices

City/State: SPRINGFIELD, IL
MilePost: DH-412.12
State Proj. No.:
S&E Proj. No.: 04.0559
Man Days: 104

Road: WOLFE ST.
DOT/AAR: 479307M
County: SANGAMON
AFE: F03307
File Number: 061-04.0556

Purchases - Others	
Meals and Lodging:	\$9,785.32
Rental of Equipment:	\$21,392.80
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 26 Days)	
Construction Supervision Vehicle:	\$1,711.42
Purchases - Other Total:	\$32,889.54
Material And Additives	
Material Cost:	\$67,973.00
Sales and Use Tax:	\$3,399.00
Material Handling Freight:	\$3,398.65
Material Total:	\$74,770.65
Labor And Additives	
Labor Cost:	\$25,168.00
(4 man crew at \$968.00 a day for: 26 days)	
Payroll Tax & Overheads:	\$24,828.23
Preliminary Engineering:	\$8,196.40
Construction Supervision:	\$7,104.93
Labor Total:	\$65,297.56
Project Cost:	\$172,957.75
Scrap / Salvage Credit:	\$0.00
Project Total:	\$172,957.75

Estimated on: 02-May-06

Estimated by: ndney

Estimate valid for 1 year from date of estimate



Norfolk Southern Railway



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	SPRINGFIELD
Road:	WOLFE ST.
Mile Post:	DH-412.12
Drawing Number:	SFDH41212
State ProjectNumber:	
County:	SANGAMON
A A R Number:	479307M
Project Number:	04.0559
File Number:	061-04.0556
A F E Number:	F03307
Store Number:	07627
Supervisor:	D.J. HOLLINGSEAD
Tax Code:	1200
Vendor to supply the following copies after pricing:	
1 Set - Material Management with original Invoice	
2 Sets - with plans shipped in car with material	
1 Set - S&E Gen. Supt. Construction w/copy of invoice	

Location: SPRINGFIELD			IL	S&E Proj. No.: 04.0559	AFE No.: F03307	Drawing No.: SFDH41212	Vendor: SW Signal Engineering Company		
Store No.: 07627				P.O. Number:	Date Required:	Date Shipped:			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$5.04	\$15.12	AAR/DOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN.				
1	165-006505-4	EA	\$1,051.54	\$1,051.54	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE				
13	105-871901-4	EA	\$161.57	\$2,100.41	BATTERY GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
4	165-000341-4	EA	\$10.34	\$41.36	BERM WALL ANCHOR ROD, WITH NUT A.B. CHANCE #6417 (ORDER 4 PER BERM WALL)				
26	165-479603-4	EA	\$10.83	\$281.58	BERM WALL DEADEND, STRANDVISE GRAYBAR# 5201T (ORDER 2 PER POWR SOURCE) OR (26 PER BERM WALL)				
1	670-010851-4	EA	\$1,380.06	\$1,380.06	BERM WALL, ARMC0 BIN TYPE II - 12 GAUGE GALVANIZED STEEL 4'-4" HIGH BY 10' LONG (FOR HOUSING)				
2	670-980689-4	EA	\$71.71	\$143.42	BRACKET HIGH WIND, (RIGID 3'), WIG- 191036, WALRUS TUSK TYPE				
2	670-561375-4	EA	\$1,197.90	\$2,395.80	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS				
1	670-356949-4	EA	\$97.00	\$97.00	CABLE, 10' GENERATOR HOOK UP, SERRMI P/N 40524. FEMALE CONNECTOR				
400	465-292862-4	LF	\$1.04	\$416.00	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				
400	465-292929-4	LF	\$3.05	\$1,220.00	CABLE, U.G 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL				
400	465-939422-4	LF	\$2.55	\$1,020.00	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
300	465-791835-4	FT	\$2.22	\$666.00	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPF-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
120	165-544477-4	FT	\$2.55	\$306.00	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
30	670-100000-4	EA	\$2.00	\$60.00	CONDUIT, PRE-EMPTION - STATE OF ILLINOIS, 4" x 10' PVC				
2	670-090450-4	EA	\$50.38	\$100.76	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W				
2	670-486646-4	EA	\$41.62	\$83.24	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W				
1	670-793404-4	EA	\$838.37	\$838.37	COUNTERWEIGHT PKAGE, 17-24" GATE STRAN S-MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER		SEAL NUMBER	

Location: SPRINGFIELD			IL	S&E Proj. No.: 04.0559	A/E No.: F03307	Drawing No.: SFDH41212	Vendor: SW Signal Engineering Company		
Store No.: 07627				P.O. Number:	Date Required:	Date Shipped:			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
1	670-794453-4	EA	\$854.03	\$854.03	COUNTERWEIGHT PKAGE, 25-31" GATE STAN S- MECH ONLY, STAINLESS TO INCLUDE HUB, SUPPORT ARMS				
4	670-760012-4	EA	\$40.02	\$160.08	COVER, FOR 1 WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. ==== TO COVER 2 LAMPS====				
1	670-986650-4	EA	\$375.69	\$375.69	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER				
1	670-000004-4	EA	\$700.00	\$700.00	FCC LICENSE FOR MONITOR/RADIO				
6	670-000003-4	EA	\$255.85	\$1,535.10	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST				
2	670-015231-4	EA	\$423.50	\$847.00	FOUNDATION, DIXIE, S-2 GATE 5'6" ASSEMBLED				
1	670-257031-4	EA	\$297.88	\$297.88	GATE, ARM FIBERGLASS-ALUMINUM 17-24 FT., INCLUDES GATE GUARD FOR GATE LIGHT CABLE, NEG P/N 8002-244NFS/CG				
1	670-263738-4	EA	\$331.87	\$331.87	GATE, ARM FIBERGLASS-ALUMINUM 25-31 FT. INCLUDES GATE GUARD FOR GATE LIGHT CABLE, 076600-320017, NEG P/N 8002-4NFS/CG				
1	670-477991-4	EA	\$317.90	\$317.90	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200#4 WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206				
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES, WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P'GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC...				
2	670-764166-4	EA	\$907.65	\$1,815.30	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS				
6	165-643547-4	EA	\$4.30	\$25.80	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RWY SIGNAL UJ-71463 GE				
4	255-590880-4	EA	\$16.12	\$64.48	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"				
2	670-637778-4	EA	\$1,031.41	\$2,062.82	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. STRAN P# 070519-11AX.				
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE WIRELAY STRAN # 074000-W00090				
4	670-001347-4	EA	\$31.64	\$126.54	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR				
APPROVED BY STATE				APPROVED BY RAILROAD				SEAL NUMBER	
								CAR NUMBER	

Location: SPRINGFIELD			IL	S&E Proj. No.: 04.0559	A/E No.: F03307	Drawing No.: SFDH41212	Vendor: SW Signal Engineering Company		
Store No.: 07627			P.O.Number:		Date Required:	Date Shipped:			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
1	255-646807-4	EA	\$10.38	\$10.38	PADLOCK, SAFETRAN PART NO 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				
1	670-514605-4	EA	\$8.45	\$8.45	PINNACLE, W-C SECT 1-11, 4"x 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X				
1	670-555509-4	EA	\$45.12	\$45.12	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR				
1	165-902002-4	EA	\$308.00	\$308.00	PROTECTOR, SURGE 120/240VAC, ERICO PIN EPD120/240TDFL				
5	465-002899-4	EA	\$22.06	\$110.30	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
1	670-742096-4	EA	\$41.80	\$41.80	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00				
1	670-707995-4	EA	\$313.67	\$313.67	RELAY, TYPE B1, NEV LINE, 900 OHMS,.008 AMPERES GRS A62-308 OR SAFETRAN @400003				
2	435-805560-4	EA	\$6.25	\$12.50	SAND, 25LB BAG FOR CABLE ENTRANCE INTO THE SHELTER				
1	670-391911-4	EA	\$5,329.57	\$5,329.57	SEARII AUTOMATED INSPECTOR SYSTEM KIT, w/ 1-ILOD, 1-eBELL, 2-GTS, 2- MTSS, 1-GFT, 1-VHFC, 2- RECORDER INTERFACE MODULE, 1-ECHELON CONNECTOR				
1	670-281280-4	EA	\$7,006.00	\$7,006.00	SHELTER BARE 6X6, ALUMN, FARADAY, W/CABLE CHUTES BEHIND TERMINAL BOARD, W/GEN. CONN. W/ADJUSTABLE PIERS., SAFETRAN P/N 058400-66-78A				
2	670-586967-4	EA	\$37.68	\$75.36	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT				
2	670-688850-4	EA	\$370.27	\$740.54	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN NARROW BAND				
2	670-393331-4	EA	\$37.43	\$74.86	SIGN CROSSING MALFUNCTION ASSEMBLY FOR 4" AND 5" MAST, SAFETRAN #T17215				
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546				
2	670-751511-4	EA	\$35.58	\$71.16	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X				
2	670-006438-4	EA	\$11.09	\$22.18	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X				
1	670-330382-4	RL	\$11.50	\$11.50	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"				
1	165-917984-4	EA	\$4.84	\$4.84	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR				
APPROVED BY STATE			APPROVED BY RAILROAD			CAR NUMBER	SEAL NUMBER		

Location: SPRINGFIELD			IL	S&E Proj. No.: 04.0559	A/E No.: F03307	Drawing No.: SFDH41212	Vendor: SW Signal Engineering Company		
Store No.: Q7627			P.O. Number:		Date Required:	Date Shipped:			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed Date Quan.	Quantity Returned (Credit)	Special Instructions
1	165-917984-4	EA	\$4.84	\$4.84	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR				
1	610-065626-4	EA	\$17.55	\$17.55	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY				
1	670-007238-4	EA	\$129.46	\$129.46	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-				
150	465-377911-4	FT	\$0.42	\$63.00	WIRE, ALUMOWELD GUY 7 #10 STRAND BERM WALL / POLELINE GUY WIRE (ORDER 150' PER BERM WALL) PER GLSEXTON 2-17-98				
1	670-258957-4	EA	\$25,580.50	\$25,580.50	WIRED RACK, 6X6 FARADAY, 20AMP SINGLE TRK SSCCIIIA, GCP3000D2, 2 CRAGG CHARGER, 2 RELAY RACKS, SAFTRAN P/N 20A 1TRK, USE WITH I/S 670-281280-4 W/CABLE CHUTES BEHIND THE FARADAY SHIELD				
1	450-986008-4	EA	\$24.84	\$24.84	WRENCH, TEST POST TYPE B DWG 55393-3, GR.1				
APPROVED BY STATE				APPROVED BY RAILROAD		CAR NUMBER		SEAL NUMBER	

TO HANNIBAL

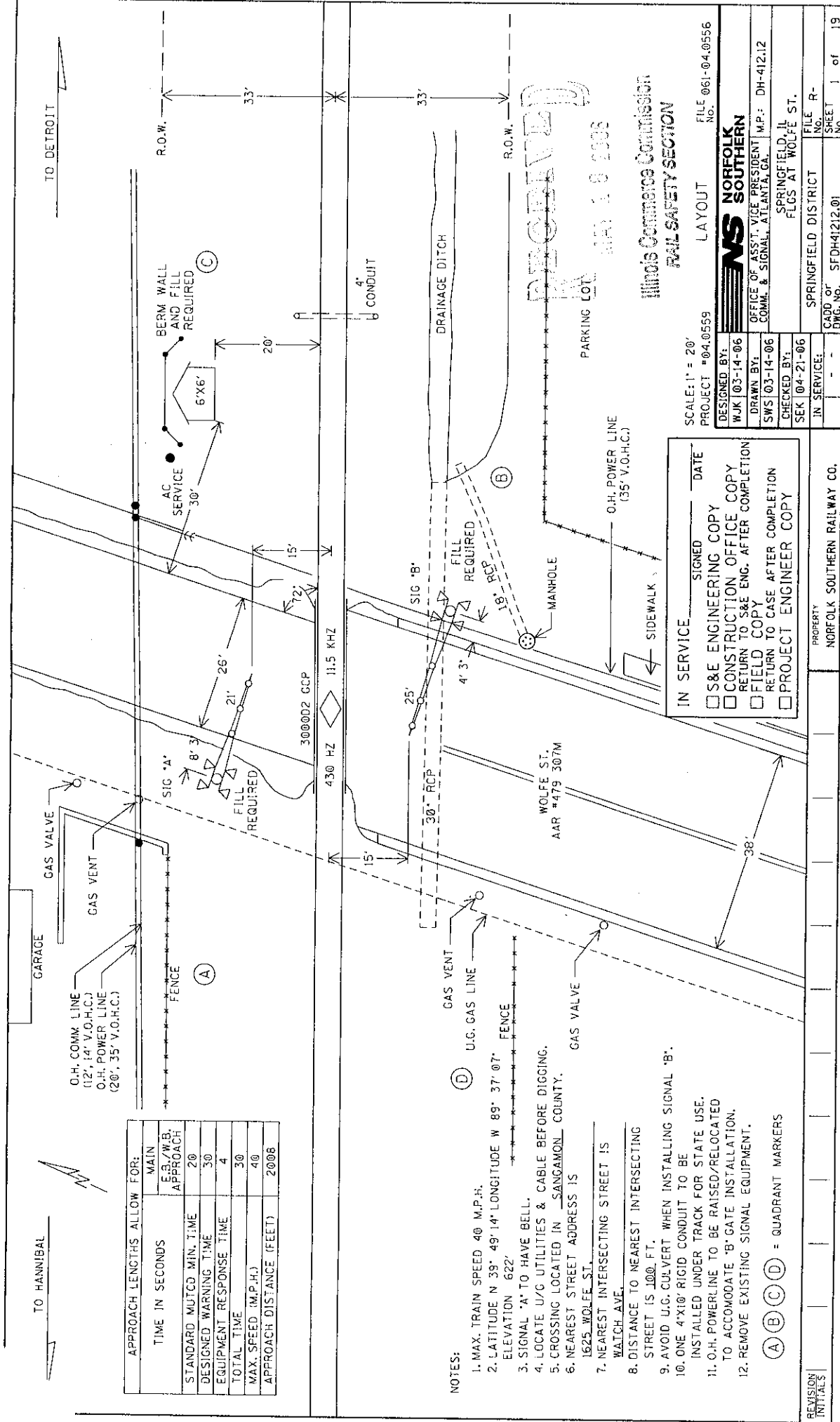
TO DETROIT

APPROACH LENGTHS ALLOW FOR:	
TIME IN SECONDS	MAIN
STANDARD MUTCD MIN. TIME	20
DESIGNED WARNING TIME	30
EQUIPMENT RESPONSE TIME	4
TOTAL TIME	30
MAX. SPEED (M.P.H.)	40
APPROACH DISTANCE (FEET)	2008

NOTES:

1. MAX. TRAIN SPEED 40 M.P.H.
2. LATITUDE N 39° 49' 14" LONGITUDE W 89° 37' 07" ELEVATION 622'
3. SIGNAL 'A' TO HAVE BELL.
4. LOCATE U/G UTILITIES & CABLE BEFORE DIGGING.
5. CROSSING LOCATED IN SANGAMON COUNTY.
6. NEAREST STREET ADDRESS IS 1825 WOLFE ST.
7. NEAREST INTERSECTING STREET IS WATCH AVE.
8. DISTANCE TO NEAREST INTERSECTING STREET IS 100. FT.
9. AVOID U.G. CULVERT WHEN INSTALLING SIGNAL 'B'.
10. ONE 4"x10" RIGID CONDUIT TO BE INSTALLED UNDER TRACK FOR STATE USE.
11. O.H. POWERLINE TO BE RAISED/RELOCATED TO ACCOMMODATE 'B' GATE INSTALLATION.
12. REMOVE EXISTING SIGNAL EQUIPMENT.

(A) (B) (C) (D) = QUADRANT MARKERS



IN SERVICE	SIGNED	DATE
<input type="checkbox"/>	S&E ENGINEERING COPY	
<input type="checkbox"/>	CONSTRUCTION OFFICE COPY	
<input type="checkbox"/>	RETURN TO S&E ENG. AFTER COMPLETION	
<input type="checkbox"/>	FIELD COPY	
<input type="checkbox"/>	RETURN TO CASE AFTER COMPLETION	
<input type="checkbox"/>	PROJECT ENGINEER COPY	

SCALE: 1" = 20'

PROJECT #04.0559

LAYOUT

FILE 061-04.0556

NORFOLK SOUTHERN

DESIGNED BY: WJK 103-14-06

DRAWN BY: SWS 103-14-06

CHECKED BY: SEK 104-21-06

IN SERVICE: -

OFFICE OF ASST. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.

M.P.: DH-412.12

SPRINGFIELD, IL

FLGS AT WOLFE ST.

FILE R-

CADD OF DWG. NO. SFDH41212.01

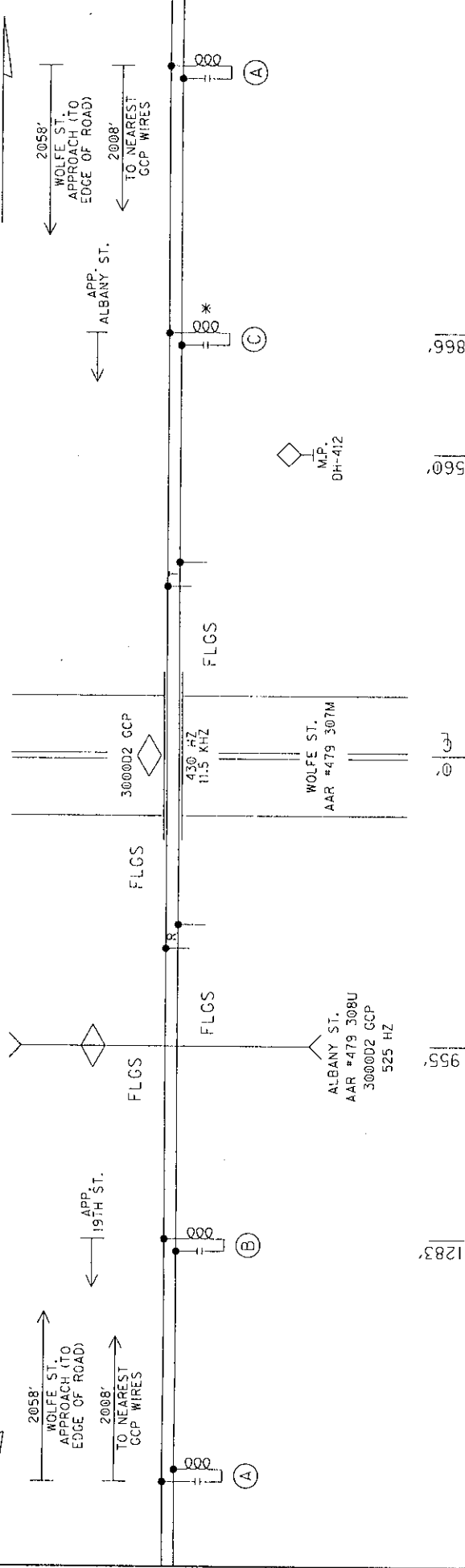
SHEET 1 of 19

PROPERTY
NORFOLK SOUTHERN RAILWAY CO.

REVISION
INITIALS

TO HANNIBAL

TO DETROIT



(A) - MF-NBS 62775-3497 (430HZ)

(B) - MF-NBS 62775-1543 (348HZ)

(C) - MF-NBS 62775-3497 (525HZ)

PROFILE

* = EXISTING

DESIGNED BY:	WJK 03-14-06	NORFOLK SOUTHERN	
DRAWN BY:	SWS 03-14-06		
CHECKED BY:	SEK 04-21-06		
IN SERVICE:			
FILE NO.	SPRINGFIELD DISTRICT	M.P.: DH-412.12 SPRINGFIELD, IL FLGS AT WOLFE ST.	
CADD OF DWG. NO.	SFDH412/2.02		
PROPERTY	NORFOLK SOUTHERN RAILWAY CO.	SHEET	2 of 19